

ABSTRACT

The invention relates to an actuating system of the type comprising an electric motor (1) controlled by a computer (2) as a function of a position setpoint of the member that is to be actuated, said system comprising an encoder (3) that is dependent on the movement of the motor (1), a sensor designed to deliver two square digital position signals (A, B) in quadrature which are representative of the position of the encoder (3), a device (5) for processing the signals (A, B), which device can determine the actual position of the encoder (3), and a device (6) for comparing the actual position of the encoder (3) with the position of the encoder (3) that corresponds in theory to the applied setpoint.

The invention also relates to methods of actuating a member using such a system and to the use of such a system for actuating a device for metering fuel in a heat engine.

Figure 2

TRANSLATOR'S NOTES

No English equivalent could be found for the French term "top tour". This term has therefore been reproduced in inverted commas throughout the English text.